FORM PTO-1449	U.S. Department of Commerce	Atty. Docket No.	Serial No.	
(Rev. 2-32)	Patent and Trademark Office	004770.00035	10/020,579	
INFORM	ATION DISCLOSURE	Applicant: Ye Wang		
STATEM	ENT BY APPLICANT			
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		December 14, 2001	2133 2636	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
Mo	5,148,487	09/15/1992	Nagai et al			
m	5,579,430	11/26/1996	Grill et al		RI	CEIVE
m	5,852,805	12/22/1998	Hiratsuka et al			MAY 0 3 2002

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## FOREIGN PATENT DOCUMENTS

						Transl	ation
	Document Number	Date	Country	Class	Subclass	Yes	No
M	0 718 982 A2	06/26/1996	EP				
M	98/13965	04/02/1998	wo				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

11/	1	HERRE, et al, Evaluation of Concealment Techniques for compressed Digital Audio, Audio Engineering Society Preprint,
/ Ⅳ		March 16 – 19, 1993, Preprint 3460 (A1-4), Erlangen, Germany
1	2	BOLOT et al, Analysis of Audio Packet Loss in the Internet, Proc. Of 5 <sup>th</sup> Int. Workshop on Network and Operating System
1	Support for Digital, Audio and Video, pp. 163-174, Durham, April 1995	
	3	International Standard ISO/IEC, Information Technology - Coding of Moving Pictures and Associated Audio for Digital
- 1		Storage Media at up to About 1.5 Mbit/s - Part 3, Audio Technical Corrigendum 1, Published 1996-04-15
	4	STENGER et al, A New Error Concealment Technique for Audio Transmission with Packet Loss, Telecommunications
1.	]	Institute, University of Erlangen-Nuremberg, Cauerstrasse 7, 91058 Erlangen, Germany, Eusipco 1996
	5	McKINLEY et al, Experimental Evaluation of Forward Error Correction on Multicast Audio Streams in Wireless LANs,
		Department of Computer Science and Engineering, Michigan State University, East Lansing, Michigan 48824, pp. 1 – 10,
.		Copyright 2000 ACM
	6	NISHIHARA et al, A Practical Query-By-Humming System for a Large Music Database, NTT Laboratores, 1 – 1
		Hikarinooka, Yokosuka-shi, Kanagawa, 239-0847, Japan pp. 1 - 38; December, 2000.
	7	WANG, Y., Vilermo, M., Isherwood, D. "The Impact of the Relationship Between MDCT and DFT on Audio
1	1	Compression: A Step Towards Solvign the Mismatch", the First IEEE Pacific-Rim Conference on Multimedia (IEEE-
- 1		PCM2000), December 13 – 15, 2000, Sydney, Australia, pp. 130 – 138
- [		, , , , , , , , , , , , , , , , , , ,
1	8	PERKINS, C., Hodson, O., Hardman, V., "A Survey of Packet-loss Recovery Techniques for Streaming Audio," IEEE
		Network, Sept/Oct. 1998.
V	9	ETSI Rec. GSM 6.11, "Substitution and Muting of Lost Frames for Full Rate Speech Signals," 1992
Nea	10	GOODMAN, O.J. et al., "Waveform Substitution Techniques for Recovering Missing Speech Segments in Packet Voice
m		Communications," IEEE Trans. Acoustics, Speech, and Sig. Processing, vol. ASSP-34, no. 6, Dec. 1986, pp. 1440-1448

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PTO/SB/08A (10-01)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known **Application Number** 10/020,579 Filing Date December 14, 2001 First Named Inventor RECEIVED Wang, Ye 2133 Group Art Unit **Examiner Name TBD** 2 4 2002 Attorney Docket Number 004770.00035

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7] <sub>F</sub>	xaminer	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant	
l.	nitials *	No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear	
11	M	Α	US-6,125,348	09-26-2000	Levine		
	M	В	US- 5,928,330	07-27-1999	Goetz et al.		
	M	С	US- 5,841,979	11-24-1998	Schulhof et al.		
	m	D	US- 5,636,276	06-03-1997	Brugger		
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	FOREIGN PATENT DOCUMENTS										
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Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Τ <sup>6</sup>					
M	E	EP 0 703 712 A2	03-27-1996	C-Cube Microsystems							

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Complete if Known Substitute for form 1449A/PTO 10/020,579 **Application Number** INFORMATION DISCLOSURE Filing Date December 14, 2001 'STATEMENT BY APPLICANT First Named Inventor Wang, Ye **Group Art Unit** 2133 **TBD** (use as many sheets as necessary) **Examiner Name** Technology Center 2600

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS RADEMARY Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite TZ the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Examiner Initials 4 No. number(s), publisher, city and/or country where published. BOSSE, Modified Discrete Cosine Tranform (MDCT), March 7, 1998, available at http://ccmna-www.standford.edu/~bosse/prol/node27.html m F M G FRAUNHOFER, MPEG Audio Layer-3, available at http://www.lis.fng.de/amm/techini/layer3/index.html, 1993 WCDMAN - the wideband 'radio pipe' for 3G services, September 17, 1999, available at http://www.ericsson.com/wireless/productsys/gsm/subpages/umts\_and\_3g/wcdman.shtml m н

of 2

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Nb GSM Frequently Asked Questions, October 23, 2000, available at http://www.gsmworld.com/technology/law.html ı PERKINS, HODSON, Options for Repeir of Streaming Media, Network Working Group RFC 2354, The Internet Society, June 1998. j MO GOTO & HAYAMIZU, A Real-time Music Scene Description System: Detecting Melody and Bass Lines in Audio Signals, August 1999, Working Notes of the UCAI-99 Workshop on Computational Auditory Scene Analysis, p. m) ĸ

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 09/966,482

Filing Date Sep. 28, 2001 RECEIVED

First Named Inventor Wang, Ye et al.

Group Art Unit 2654 OCT 2-4 2002

Examiner Name TBD

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			U.S. PATENT I	DOCUMENTS		
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M	A	WO 93/26099	06-13-1993	Institut Fur Rundfunktechnik	Abstract						

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